Index of Claims



Application/Control No.

10/723,456

Examiner

Alan Diamond

Applicant(s)/Patent under Reexamination

SHARPS ET AL.

**Art Unit** 

1753

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Claim Date                                       |                      |                 |          |              |                                                  |             |                     | 7 [             | Claim Date |                   |          |               |                                    |               |          | 7        | Claim Date |                                                  |          |                        |            |          |          |         | _            |                 |          |          |     |
|--------------------------------------------------|----------------------|-----------------|----------|--------------|--------------------------------------------------|-------------|---------------------|-----------------|------------|-------------------|----------|---------------|------------------------------------|---------------|----------|----------|------------|--------------------------------------------------|----------|------------------------|------------|----------|----------|---------|--------------|-----------------|----------|----------|-----|
|                                                  |                      |                 |          |              |                                                  | վ հ         |                     |                 | 1,         | J                 | $\Box$   | Ť             | Ť                                  |               | П        | ٦        |            |                                                  | Т        | Т                      | Т          | Ť        | Ť        |         | T            | _               |          |          |     |
| ਭ                                                | Original             | PSI             |          | 1            |                                                  |             |                     |                 |            | ਰ                 | Original | 20/02         |                                    |               |          |          |            |                                                  |          | ज                      | Original   |          |          |         | -            | 1               |          |          |     |
| Final                                            | rigi                 | 7               |          | 1            |                                                  |             |                     |                 |            | Finaf             | rigi     | ြဒ            |                                    |               | - 1      |          |            |                                                  |          | Final                  | ij         |          |          |         |              | 1               |          | -        |     |
| _                                                | O                    | -               |          |              |                                                  |             |                     |                 |            | _                 | 0        | -             | 1                                  | ĺ             |          |          |            |                                                  |          | -                      | Ō          |          |          |         |              |                 |          |          |     |
|                                                  | 1                    | $\vdash$        | -        | +            | ╁                                                | $\vdash$    | $\vdash$            | $\vdash$        | 1 1        |                   | 51       | 1             | $\vdash$                           |               | +        | $\dashv$ | +          | +++                                              | ╡        |                        | 101        |          | $\dashv$ | ╅       | 1            | +-              | H        | +        | _   |
|                                                  | +                    | $\vdash$        | ╅        |              | ╁╴                                               | ┢           | $\vdash$            | $\vdash$        | 1 h        |                   | 52       | V             |                                    | -             | +        | -+       |            | +-+                                              | $\dashv$ | -                      | 102        | -        | +        | +       | +            | +               | Н        | _        | _   |
|                                                  | <b>─</b> ₹           | $\vdash$        | +        | +-           | 十                                                | ╁           | $\vdash$            |                 | ┨ ┠        |                   | 53       | V             | +                                  | -             | ᆉ        | ┰┼       | +          | +                                                | -        | -                      | 103        |          | +        | +       | +            | +-              | $\vdash$ | -        | _   |
|                                                  | T.                   | $\vdash$        | +        | +-           | +                                                | +           | $\vdash$            | $\vdash$        | ┨╏         |                   | 54       | 1             |                                    |               | ┰┼       | +        | +          | +                                                | -        |                        | 104        | $\dashv$ | +        | ╅       | ╁            | ╁               | $\vdash$ | +        | _   |
|                                                  | 5                    | $\vdash$        | $\top$   | +            | ╈                                                | $\vdash$    |                     | $\vdash$        | 1 F        |                   | 55       | 1             | _                                  |               | 十        | $\dashv$ | +-         | +                                                | $\dashv$ | -                      | 105        | -        | +        | +-      | ┼            | ╁┈              |          | _        | _   |
|                                                  | -                    | <del>   </del>  | - -      | +-           | ╁                                                | ╁           |                     | $\vdash$        | 1 1        |                   | 56       | ۲             |                                    |               | 十        |          | +          | +                                                | ┥        | <del> </del>           | 106        |          | $\dashv$ | +       | ╁            | +               | $\vdash$ | +        | _   |
| $\vdash$                                         | +                    | +               | +        | ╅            | ╁                                                | $\vdash$    |                     | -               | 1 1        |                   | 57       | 1             | $\vdash$                           |               | -        | -        | +          | ++                                               | ┥        | <u> </u>               | 107        | -        | -        | +       | ╁            | 1               | $\vdash$ | -        | -   |
|                                                  | 8                    |                 | +        | 1            | 1                                                | t           |                     | $\vdash$        | 1 h        |                   | 58       | V             | Н                                  |               | 十        | -        | +-         | <del>     </del>                                 | $\dashv$ |                        | 108        | -        | ╅        | ╈       | ╁            | H               | $\vdash$ | -        | -   |
|                                                  | 3                    |                 | +        | +-           | ╁                                                | ╁           | Н                   | $\vdash$        | 1          |                   | 59       | V             | ┤┤                                 | $\vdash$      | $\dashv$ | $\dashv$ | +          | ++                                               | $\dashv$ |                        | 109        | $\vdash$ | $\dashv$ |         | +-           | ╁               | $\vdash$ | $\dashv$ | _   |
|                                                  | 1b                   | $\vdash$        | ┰        | +            | +                                                | +-          |                     | $\vdash$        | 1 h        |                   | 60       | 7             | ╁─┤                                | -             | $\dashv$ | $\dashv$ | +          | <del>   </del>                                   | -        | $\vdash$               | 110        | $\dashv$ | -        | ╅       | ╁            | ┼               | $\vdash$ |          | -   |
|                                                  | 1/1                  | $\vdash$        | +        |              | +                                                | $\vdash$    | $\vdash$            | _               | 1          |                   | 61       | 7             | Н                                  | $\vdash$      | $\dashv$ |          |            | <del>   </del>                                   | $\dashv$ |                        | 111        | $\dashv$ | +        | ┰       | +            | H               | $\vdash$ | -        | -   |
| $\vdash \vdash$                                  | 12                   | $\vdash \vdash$ | +        | +            | +                                                | +-          | $\vdash$            | $\vdash \vdash$ | ┥ ├        | $\dashv$          | 62       | 7             | -                                  | $\vdash$      | $\dashv$ | $\dashv$ | +          | <del>                                     </del> | $\dashv$ | $\vdash$               | 112        | +        | +        | ╁       | +-           | $\vdash$        | $\vdash$ | $\dashv$ | _   |
|                                                  | 13                   | $\vdash$        | +        | +            | ╁                                                | $\vdash$    | Н                   | -               | ┨ <b>├</b> |                   | 63       | V             | $\vdash$                           | -             | ┰        | $\dashv$ | +          | +-+                                              | -        | <u> </u>               | 113        | $\dashv$ | +        | ╅       | ┼╌           | $\vdash$        | Н        | $\dashv$ | _   |
| $\vdash$                                         | 14                   | $\vdash$        | +        | +-           | +-                                               | $\vdash$    | $\vdash$            | $\vdash$        | ┨ ┞        |                   | 64       | <del>لى</del> | $\vdash$                           | $\vdash$      | $\dashv$ | +        |            | <del>   </del>                                   | $\dashv$ | <del> </del>           | 114        | +        | +        | +       | +            | $\vdash$        | $\vdash$ |          | _   |
| -                                                | 15                   | $\vdash$        | ╁        | ╅╴           | +                                                | ╁           | Н                   | -               | -l         |                   | 65       | 1             | Н                                  | $\vdash$      | $\dashv$ | +        |            | ++                                               | ┥        | <u> </u>               | 115        | -        | +        | ┿       | ╁            | ╁               | -        |          | _   |
|                                                  | 16                   | $\vdash \vdash$ | +-       |              | ╁                                                | ╁           | H                   | $\vdash$        | <b>⊣</b> ⊦ |                   | 66       | V             | Н                                  | $\dashv$      | $\dashv$ | +        | +-         | ╁─┼                                              | $\dashv$ | $\vdash$               | 116        | $\dashv$ | +        | +       | ╁            | $\vdash$        | -        |          | _   |
| $\vdash$                                         | 1/7                  |                 | $\dashv$ | +            | +                                                | $\vdash$    | $\vdash$            | $\vdash$        | ┨ ┞        |                   | 67       | 7             | $\vdash$                           | +             | $\dashv$ | +        | +          | +                                                | $\dashv$ | $\vdash$               | 117        | -+       | +        | +       | $\vdash$     | -               | ┝        |          | _   |
|                                                  | 18                   | $\vdash$        | +        | +-           | ╁                                                | 1           | $\vdash$            | $\vdash$        | ┨╏         | -                 | 68       | _             | $\vdash$                           | $\dashv$      |          | -        | +          | $\vdash$                                         |          | $\vdash$               | 118        | +        | +        | +-      | +-           | $\vdash$        | $\dashv$ | -        | _   |
| $\vdash$                                         | 19                   | -               | +        | +-           | ╁                                                | 1           | Н                   | +               | ┨╶┞        |                   | 69       | 1/            | $\vdash$                           |               | $\dashv$ |          |            | ╁╌╁╴                                             | _        | -                      | 119        |          | +        | +       | -            |                 | $\dashv$ | -        | _   |
|                                                  | 20                   | $\vdash$        | +        | +            | ┼-                                               | ╁           | -                   | $\dashv$        | ┨╴┠        |                   | 70       | 1             | $\vdash$                           | $\dashv$      | ┥        | -        |            | $\vdash$                                         | -        | -                      | 120        | +        |          |         | <del> </del> |                 | $\vdash$ | +        | _   |
| $\vdash$                                         | 21                   | -               | +        | +-           | ┼                                                | ⊢           | H                   | -               | ┨╶┞        |                   | 71       | . <u>v</u>    | Н                                  | -             | $\dashv$ | -+       |            | $\vdash$                                         | -        |                        | 121        |          |          |         | -            | $\vdash$        | $\vdash$ | +        | _   |
|                                                  | 22                   | $\vdash$        |          | +-           | ╁                                                | ┼           | H                   |                 | ┨┞         | -                 | 72       | V             | $\vdash$                           | -             | +        | $\dashv$ | +          | ++                                               | -        |                        |            | $\dashv$ | -        |         | Ͱ            |                 |          |          | _   |
| $\vdash$                                         | 23                   | -+              | +        | +-           | +-                                               | ╁           | -                   | +               | -          |                   |          | 4             | Н                                  | +             | +        | -        |            | ┼┼                                               |          |                        | 122<br>123 |          | +        |         | -            | -               | -        | +        | _   |
|                                                  | 24                   |                 | - -      | +            | ╁                                                | $\vdash$    | $\vdash$            |                 | ┥┟         |                   | 73       | 1             |                                    | -             | $\dashv$ | -        |            | <del>                                     </del> | 4        | $\vdash$               |            |          | -        | +       | ⊢            | $\vdash$        | -        | -        | _   |
| $\vdash$                                         | <del>25</del>        | $\vdash$        |          |              | ╁                                                |             | $\vdash$            |                 | ┨ ┞        | $\longrightarrow$ | 74       | <u> </u>      | $\vdash$                           |               | -+       | -        |            | - -                                              | 4        |                        | 124        | +        |          |         | ├-           | Н               | -        |          | _   |
| $\vdash$                                         |                      | $\vdash$        | +        |              | $\vdash$                                         | -           | -                   | $\vdash$        | ┨┞         |                   | 75       | V             | Н                                  | $\rightarrow$ | -        |          | -          | <del>├                                    </del> | 4        |                        | 125        |          | +        |         | ⊢            | Н               | _        | -        | _   |
| $\vdash$                                         | <b>1</b> 6           | $\vdash$        |          | +            | ⊬                                                | ⊢           | Н                   |                 | ┨┞         |                   | 76       | _             | $\vdash$                           |               | +        | +        |            | <del>├</del> -                                   | 4        |                        | 126        |          | -        | -       |              | $\vdash$        | -        | _        | _   |
| $\vdash$                                         |                      | $\vdash$        | +        |              | ╀                                                | ╀           | -                   | -               | ┥┟         |                   | 77       | V             |                                    |               | -        | +        | +          |                                                  | 4        |                        | 127        | $\dashv$ | +        | -       | -            | $\vdash$        |          |          | _   |
| $\vdash$                                         | 28                   |                 | +        | +-           | ┼                                                | ├           |                     | +               | ┧┟         | _                 | 78       | 1             |                                    |               | 4        | +        |            |                                                  | 4        |                        | 128        | -        | 4        | 4       | ↓            | $\vdash$        |          | _        |     |
| -                                                | 29                   |                 | +        |              | ├                                                | ⊢           | -                   |                 | ┨╏         |                   | 79       | V             | $\vdash$                           |               | $\dashv$ | -        |            | $\vdash$                                         | 4        |                        | 129        |          | 4        |         | ــــ         | $\vdash$        |          |          | _   |
|                                                  | 30                   | $\dashv$        |          | +            | -                                                | -           | -                   |                 | -l         |                   | 80       | V             | $\sqcup$                           | $\dashv$      | 4        | -        | +          |                                                  | 4        |                        | 130        | -        | 4-       |         | <u> </u>     | <u> </u>        | _        |          | _   |
|                                                  | 31                   | -               | _        | +            | ╀                                                | -           |                     |                 | ┦ ┡        |                   | 81       | <i>√</i>      | $\vdash$                           | $\dashv$      | +        | _        | -          | $\vdash$                                         | 4        |                        | 131        | _        | $\perp$  | 1_      | <u> </u>     | $\perp$         | _        | $\perp$  | _   |
|                                                  | 32                   | $\vdash$        |          |              | -                                                | -           | $\vdash$            |                 | ┥ ┝        |                   | 82       | 7             | $\vdash$                           |               | 4        |          |            |                                                  | 4        |                        | 132        | _        | _        | _       | <u> </u>     | Ш               | _        |          | _   |
|                                                  | 33                   |                 | +        |              | ₩                                                | $\vdash$    | $\vdash$            | -               | ┥ ├        |                   | 83       | V             |                                    |               | $\dashv$ | +        |            | $\vdash$                                         | 4        | $\vdash$               | 133        |          | -        | -       | ⊢            | Ы               | _        | _ _      | _ ' |
| $\vdash$                                         | 34                   |                 | +        | +-           | ┼                                                | ├-          | $\vdash \vdash$     |                 | ┨┞         |                   | 84       | V             | $\vdash \vdash$                    | $\dashv$      | -        | -        | _          | $\vdash$                                         | 4        | $\vdash$               | 134        | _ -      | 4        | +-      | ₩            | Ш               | _        | $\bot$   | _ ' |
| <del>                                     </del> | 35                   |                 | +        | +            | ⊢                                                | ⊢           | $\vdash \vdash$     | +               | ┨ ┡        |                   | 85       | 1             | $\vdash \vdash$                    | -+            | $\dashv$ | +        | +-         | $\vdash \vdash$                                  | 4        | $\vdash \vdash \vdash$ | 135        |          | $\perp$  | +       | <del> </del> | $\vdash \vdash$ | $\Box$   | $\perp$  | _!  |
| <del>  </del>                                    | 36                   | $\vdash$        | +        | +-           | ⊢                                                | <b> </b>    |                     | +               | ┨ ┡        |                   | 86       | <b>V</b>      | $\vdash \dashv$                    | $\dashv$      | $\dashv$ | +        |            | $\vdash$                                         | 4        | $\vdash \vdash$        | 136        |          | $\perp$  | +-      | <del> </del> | Ш               | _        | $\dashv$ | نــ |
| $\vdash \vdash \vdash$                           | 37                   | $\vdash$        |          | +            |                                                  | <del></del> | $\vdash \vdash$     |                 | ┨ ┡        |                   | 87       | √,            | $\sqcup$                           | +             | +        | -        | +          | $\vdash$                                         | 4        | $\vdash$               | 137        |          | 4        | - -     | ــــ         | Ш               | _        |          | _   |
|                                                  | 38                   | $\dashv$        | +        | +            | -                                                | ⊢           | $\vdash \vdash$     |                 | <b>↓</b>   |                   | 88       | 1             | $\mid \! \! - \! \! \! \! \! \mid$ | -             | -        | -        | —          | $\vdash \vdash$                                  | 4        | $\vdash$               | 138        |          | -        | $\bot$  | ــــ         | $\square$       | _        | _        | _   |
| -                                                | 39                   |                 | +        | -            | <del>                                     </del> | <del></del> | Н                   |                 | 4 F        |                   | 89       | r             | $\sqcup$                           | _             | 4        |          | -          | $\vdash$                                         | 4        | oxdot                  | 139        |          | _        | $\bot$  | <u> </u>     |                 | _        |          | _   |
|                                                  | 40                   | -+              | +        |              | ⊢                                                | H           | $\vdash$            |                 | 4          |                   | 90       | _             | Щ                                  | $\dashv$      | 4        | 4        |            | ₩.                                               | 4        | $\sqcup$               | 140        | _        | 4        | $\bot$  | ـــــ        | $\sqcup$        | _        | $\dashv$ | _   |
|                                                  | 41                   | $\perp$         |          | +            | ₩                                                |             | $\sqcup$            | $\dashv$        | 4 F        |                   | 91       | V             | Ш                                  | 4             | _        | 4        |            |                                                  | 4        | $\sqcup \sqcup$        | 141        | $\perp$  |          | 4-      | <u> </u>     | Ш               |          | $\perp$  | _   |
|                                                  | 42<br>43             |                 | - -      | +-           | -                                                | <b> </b>    | $\vdash \downarrow$ |                 | 4 F        |                   | 92       | V             | $\sqcup$                           | 4             | -        | -        | +          | $\vdash$                                         | 4        | <b>├</b> ─             | 142        | _        | 4        | -       | ┞            | $\sqcup$        | _        |          | _   |
|                                                  | 43                   | -+              | +        | -            | <del>  -</del>                                   | $\vdash$    | $\vdash \vdash$     | +               | <b>↓</b>   |                   | 93       | <u>/</u>      | Ш                                  | -             | +        | +        | +          | <b>├</b>                                         | 4        | $\vdash \vdash$        | 143        | _        | 4        | $\bot$  | ⊢            |                 | _        | _        | _   |
|                                                  | 44                   | $\dashv$        | +        | _            | <b>L</b>                                         | Ш           | Щ                   |                 | <b>↓</b>   |                   | 94       | 1             | Щ                                  | _             | 4        | _ _      |            | <b>├</b> ├-                                      | 4        | $\sqcup \sqcup$        | 144        |          | $\perp$  | 4       | <u> </u>     | Ш               | _        |          | _   |
|                                                  | 45                   | _               | +        | +            | $\vdash$                                         | Щ           | Щ                   | $\perp$         | 1 }        |                   | 95       | ~             | $\sqcup$                           | 4             | 4        | _        |            | $\sqcup$                                         | 4        | $\sqcup \sqcup$        | 145        |          | $\perp$  | ↓       | _            | Ш               |          |          | _   |
|                                                  | 44<br>45<br>46<br>47 | _               | 4        | <del> </del> | ├_                                               | Щ           | $\sqcup$            | $\dashv$        | 4 F        |                   | 96       | /             | $\sqcup$                           | _             | _        |          | $\bot$     | ┞                                                | 4        | $\sqcup \sqcup$        | 146        | $\perp$  | $\perp$  | $\perp$ | <u> </u>     | Ш               | _        |          |     |
|                                                  | 47                   | _               | +        | 4            | <b>L</b>                                         |             | $\sqcup$            |                 | 1 F        |                   | 97       | 1             | $\square$                          | $\dashv$      |          | _        | —          | $\vdash \bot$                                    | _        |                        | 147        | _ _      | _ _      | 4_      | _            |                 |          | _        |     |
|                                                  | 48                   | <u> </u>        | +        | +            | $\vdash$                                         | <u> </u>    | <b>-</b>            |                 | ↓          |                   |          | <u>~</u>      | $\sqcup$                           | _             | 4        |          | ┷          | $\sqcup \bot$                                    | -        | igsquare               | 148        | _        | $\perp$  | _       | oxdot        | Ш               |          | _        |     |
| $\longrightarrow$                                |                      | V               | +        | _            | <u> </u>                                         | Щ           | $\sqcup$            |                 | 1 L        |                   | 99       |               | Ш                                  | $\dashv$      | _        | _        | _          | $\vdash$                                         | _  ⊹     |                        | 149        |          | 1        | $\perp$ | <u> </u>     | Ш               | $\perp$  | _ _      | ╛   |
|                                                  | 50                   | V               | _        |              | 1                                                | ΙÌ          | 1                   | - 1             |            |                   | 100      |               |                                    |               | ı        | - 1      |            | 1 1                                              |          | 1 1                    | 150        | - 1      |          | 1       |              | ΙĪ              | - ſ      |          | - 1 |